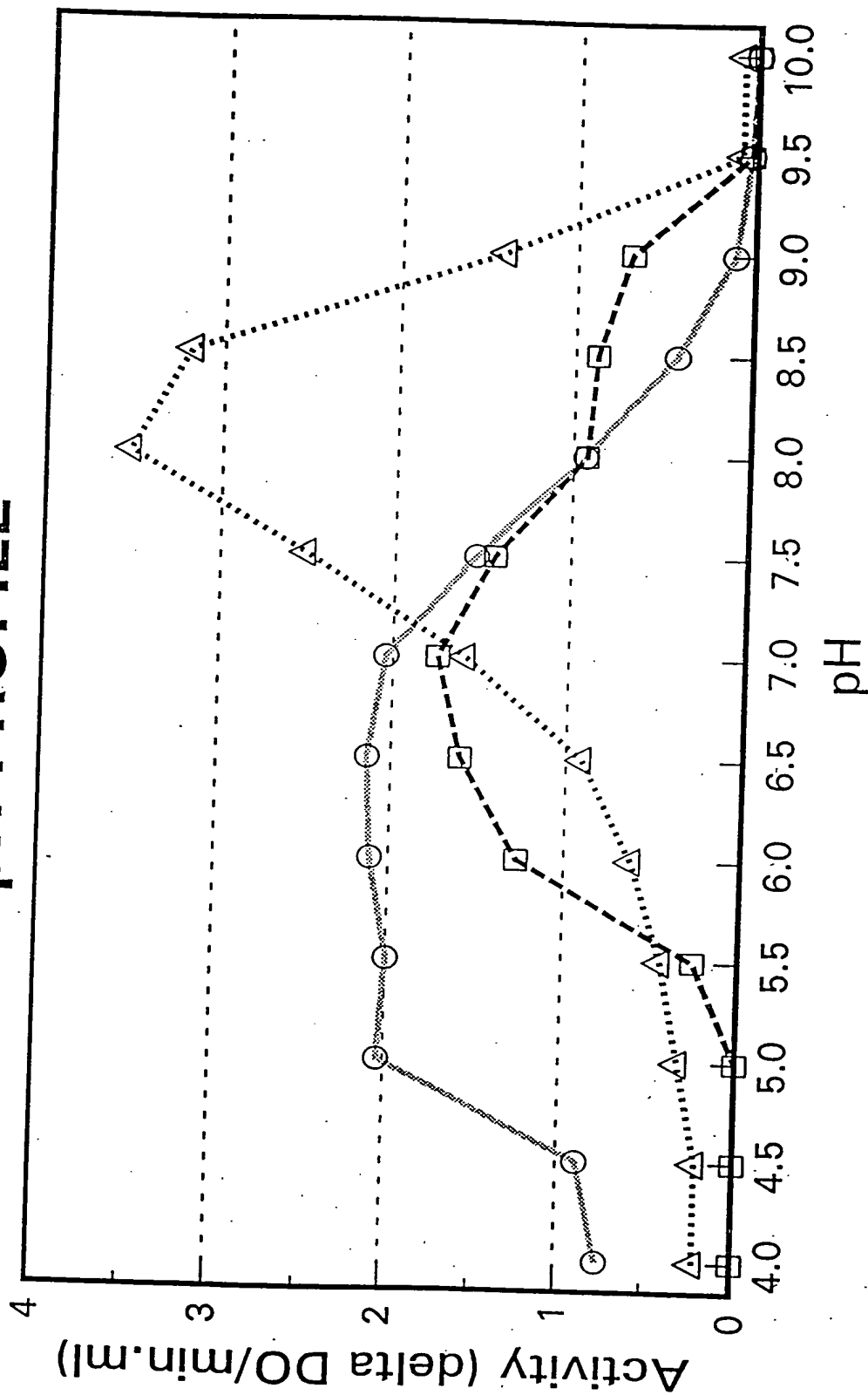


66220" 2562260

pH PROFILE



ABTS Syringaldazin 2,6 dimetoxyphehol

—○— —□—△.....

FIGURE 1

66220" 25922350 pH PROFILE

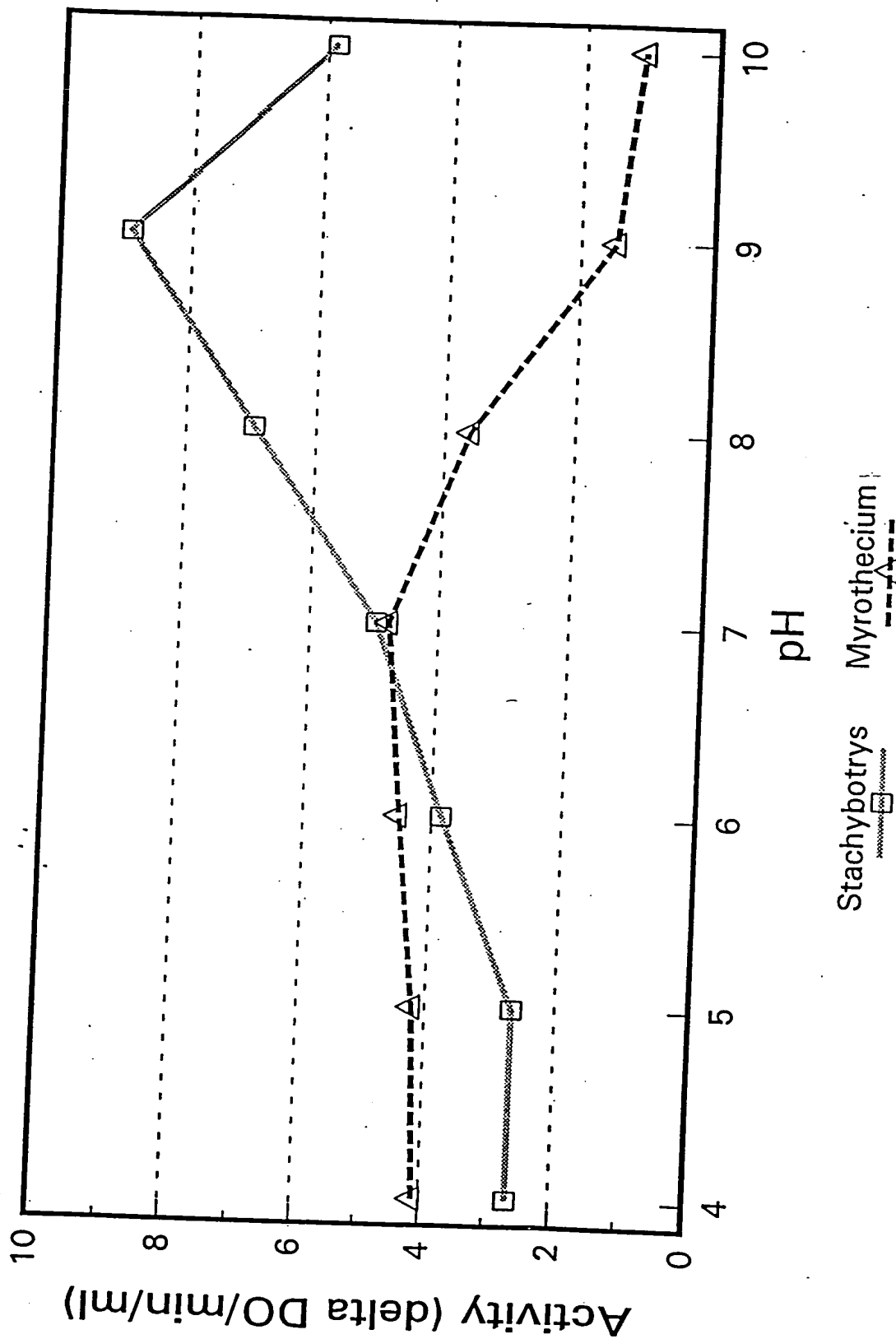


FIGURE 2

0827399 032299

LEAF 1

LEAF 2

0

220

97

66

64

14/1

80

21.5

12.3

FIGURE 3

biliru/oxidas MMAAFNATVLPDYGYNATVFDPMELWQARPYELGEFQAQSGQ--FSVQAVT
mpf-A(part).p TTPSFDGQIRDARQGRDSTALKA--EI--PKAYATAQEKPVVQDVYNQALGT
St. ch.

biliru/oxidas
mpf-A(part).p
St. ch.

biliru/oxidas MFKHTLGAALSLFFNSNAVQASVPVETSPATGHLFKRVAQISQVPMFTVPLPIPPVKQPRLTVTNPNV 70
mpf-A(part).p A-----KGFMTGAKVQARVVMPE-----HMYGLPIQARKGTPTRLKFNLLPGGRAETTVGADGK 55
St. ch. -----1

biliru/oxidas GQEIWYVEIKPFTHQV-YPDLSADLVGYDGMSPGPTQ---VPRGVETV---VRFINNAEAPNSVH 132
mpf-A(part).p VQVTRNGDIFLPLDKSAHAGLPGDGFTEFTQNRSNHHLGGDTPWISDGTPHQWITPIEEANAANPKA 125
St. ch. -----1

biliru/oxidas LHG-----SFSRAAFDGAEDITEPGS-FKDYYPNQRSARTLWYHDHAMHITAENAYRGQAGLYM 192
mpf-A(part).p LVNQGIDPEFLPSFLRGASQNVDPMPDPCAGASTYFYPNGQSARMLWYHDHTIGVTRLNVYAGMAAVYT 195
St. ch. -----DYYFPNYQSARLLXYHDA 19

biliru/oxidas LTDPAEDALNLPSCYGEFD-----IPMILTQKQYTANGNLVTTNGELNSFWG-----DVI 242
mpf-A(part).p LGDEVDDQLTGKTGGALNKVLPPEADTIPLVLTDRTFVPADVALQDARWNTSAWGGESDSWFPVHYETV 265
St. ch. -----19

XX
biliru/oxidas HVNQQPWPFKNVEPRKYRFRF---LDAVSRSGFLYFADTDAIDTRLPFKVIAS---DSGLLEHPADTSL 306
mpf-A(part).p QDPNQMGFNSVGRWHWGFVFWPVPAMYDLPSGEYGDVTVTPAAMMDPLVNGVAYPTIELDPKVYRMK 335
St. ch. -----19

biliru/oxidas LYISMAERYEVWFDSDYAGKTIELNLGSGIGIGTDTDYDNT---DKVMRFVADDTIQPDTSVVPAN 373
mpf-A(part).p VLNASNDRFFNISLFWADEAQRLNDPLGGATEVKMVDAAVSATPCAAGVTRAVVATDGSYCTPETWPTD 405
St. ch. -----19

biliru/oxidas LRDVFPSPPTINTPQFRFGRTGPTWT-INGVAFADVQNL-LANVPVGTVERWELINAGNGWTHPIIH 441
mpf-A(part).p NRPGGVPSPAAGQPSFFQIANEGGLPKVAEIAPTPVGYQLDKGRITVLNVLTTGLYLGAERAD-VLVD 474
St. ch. -----19

biliru/oxidas LVDFK---VISRTSGNNARTVMPYESGLKDVVWLGRRETVVVEAH---YAPFPGVVMFHCHNLIHEDHD 504
mpf-A(part).p LSAYAGKTLIVNDSGAPVPAGDPRNDYFTAVG---DQSDAGGAEDTKPGYGPNTTRTM-----QIKVRAAI 538
St. ch. RQVMPYESAGLK 19

FIGURE 4B

FIGURE 4A

GTCAATATGCTGTTCAAGTCATGGCA	GCAGCAGCCTCGGGCTCTGCTGCTGGAGTCTCGG	CGATGGACACCGGCAGCCAC	90
M L F K S W Q L A A A S G L L S G V L G I P M D T G S H			28
CCCATTTAGGCTGTGTGATCCCGAAGTGAAGACTGAGGTCTTGGCTGACTCCCTCTTGTGTCAGCAGGCGATGAAGACTGGGAGTCACT			180
P I E A V D P E V K T E V F A D S L L A A A G D D D W E S P			58
CCATACAACCTTGCTTTACAGGAATGCCCTGCCAATTCCACTGTCAAGCAGGCCAAGATGATCATTACCAACCTGTCAACCGCAAGGAC			270
P Y N L L Y R N A L P I P P V K Q P K M I I T N P V T G K D			88
ATTTGGTACTATGAGATCGAGATCAAGCCATTTCAGCAAGGATTTCACCCACCTTGCGCCCTGCCACTCTCGTCCGCTACGATGGCATG			360
I W Y Y E I E I K P F Q Q R I Y P T L R P A T L V G Y D G M			118
AGCCCTGGTCTACTTTCAATGTTCCAGAGGAACAGAGACTGTAGTTAGGTTTCATCAACAATGCCACCGTGGAGAACTCGGTCCATCTG			450
S P G P T F N V P R G T E T V V R F I N N A T V E N S V H L			148
CACGGCTCCCATCGCGTGGCCCTTTGGATGGTTGGCTGAAGATGTGAACCTTCCCTGGCGAGTACAAGGATTACTACTTTCCCAACTAC			540
H G S P S R A P F D G W A E D V T F P G E Y K D Y Y F P N Y			178
CAATCCGCGCCCTTCTGTGGTACCATGACACGCTTTTCATGAAGACTGCTGAGAATGCCACTTTTGGTCAGGCTGGCGCTACATTATC			630
Q S A R L L W Y H D H A F M K T A E N A Y F G Q A G A Y I I			208
AACGACGAGGCTGAGGATGCTCTCGGTCTTCTAGTGGCTATGGCGAGTTGGATATCCCTCTGATCTGACGGCCAGTACTATAAGGCC			720
N D E A E D A L G L P S G Y G E F D I P L I L T A K Y Y N A			238
GATGGTACCTGCGTTGACCGAGGGTGAGGACCAGGACCTGTGGGAGATGTATCCATGTCAACGGACAGCCATGGCCCTTTCTCTAAC			810
D G T L R S T E G E D Q D L W G D V I H V N G Q P W P F L N			268
GTCCAGCCCCGCAAGTACCGTTTCGAGTTCTCTCAACGCTGGCGTGTCTCGTCTTGGCTCCCTCTACCTGCTCAGGACAGCTCTCCCAAC			900
V Q P R K Y R F R F L N A A V S R A W L L Y L V R T S S P N			298
GTCAGAACTCTTTCCAAGTCATTGCCCTCTGATGCTGGTCTCTCTTCAAGCCCCGTTCAAGCTCTAACCTCTACCTTGTGTGGCGAG			990
V R I P F Q V I A S D A G L L Q A P V Q T S N L Y L A V A E			328
CGTTACGAGATCATTATGACTTCACCAACTTTGCTGGCCAGACTCTTGACCTGGCCAAAGTTGCTGAGACCAACGATGTCCGGACCGAG			1080
R Y E I I I D F T N F A G Q T L D L R N V A E T N D V G D E			358
GATGAGTACGCTCGCACTCTCGAGGTGATGGCTTCTGCTGCTGACCTCTGGCACTGTGTGAGGACAACAGCCAGGTCCCTCCACTCTCCGT			1170
D E Y A R T L E V M R F V V S S G T V E D N S Q V P S T L R			388
GACGTTCTTTTCCCTCTCACAAGGAAGGCCCCCGCCGACAAGCACTTCAAGTTTGAACGAGCAACGGACACTACCTGATCAACGATGTT			1260
D V P F P P H K E G P A D K H F K F E R S N G H Y L I N D V			418
GGCTTTGGCGATGTCAATGAGCGTGTCTTGGCCAAGCCGAGCTGGCCACCGTTGAGGTCTGGGAGCTCGAGAACTCTCTGGAGGCTGG			1350
G F A D V N E R V L A K P E L G T V E V W E L E N S S G G W			448
AGCCACCCCGTCCACATTACCTTGTGTGACTTCAAGATCTCAAGCGAAGTGGTGGTGTGGCCAGGTCATGCCCTACGAGTCTGCTGGT			1440
S H P V H I H L V D F K I L K R T G G R G Q V M P Y E S A G			478
CTTAAGGATGTGCTCTGGTTGGGCGAGGGTGAGACCTGACCATCGAGGCCCACTACCAACCTGGACTGGAGCTTACATGTGGCACTGT			1530
L K D V V W L G R G E T L T I E A H Y Q P W T G A Y M W H C			508
CACAACCTCATTACGAGGATAACGACATGATGGCTGTATTCAACGTCAACGCCATGGAGGAGAAGGGATATCTTCAGGAGGACTTCCAG			1620
H N L I H E D N D M M A V F N V T A M E E K G Y L Q E D F E			538
GACCCCATGAACCCCAAGTGGCGCGCGTTCTTACAACCGCAACGACTTCCATGCTCGCGCTGGAACTTCTCCCGCGAGTCCATCACT			1710
D P M N P K W R A V P Y N R N D F H A R A G N F S A E S I T			568
GCCCGAGTGCAGGAGCTGGCCGAGCAGGAGCCGTACAACCGCCTCGATGAGATCTGGAGGATCTTGGAAATCGAGGAGTAA			1791
A R V Q E L A E Q E P Y N R L D E I L E D L G I E E			594

Figure 5

CTGGCTAGOC	TCACITGGTA	GAAGCCCTG	ACAGCCTCAC	TGGCTGGGG	TGAAAGGOC	AGTCAATATC	TTGGTCACITG	80
CTAATAGTTC	CTTGCTAGGC	GCAAAAAGCT	OCTTGOOGAA	GGGGCACAGA	CTATCAAGTG	AGACATATAG	GATGCATGTC	160
TTTCATAGOC	ACAGTITAGGG	TGGTGAACCTA	CTOGAAGAGG	CCCCGACTTG	CATGCATAGC	ACATGTGCGT	TGCATGCAAC	240
ATGTATGOGC	ACATCGGGGA	TCAGGCACOC	TCTGCAATGCA	GAATAGAAOC	CCCCITGGTIT	OCTTTTGTIT	CTTTTCTTTT	320
CTCAACGAOG	CGTGAGOGTG	GTAACTTGA	GCAAGGCOGA	GTGGTCTGT	CACGAGGTTA	OCATOGAACT	CTCTTCTTTC	400
CCAATCATGA	OCTGCCCCOC	GAGTITTAGCC	CCATCAOAGG	CTGTGAATC	CACITTOGATA	ATCCTAGCCT	AGTGCTIACITC	480
TTCAATAGTIT	GCTCCTGATG	GGGCACTTITG	GTCACTTTC	CTTGGTITCT	OCTACCTOGT	TCTCTTCCGC	ATCAAGCCTC	560
TATGCCCCGAC	GACAACACCT	CATTTGGCCOG	GACCACTTTC	AGCGCGCAGG	CACCTTGGOG	COGAAGGAGT	TGATAACACC	640
CTTCACCCIT	GCCCCATGAT	GGAGTITITGG	TCATTTTGTG	ATGATCACT	CACATTCACIT	AGATCAAGGA	TCTGGAAGA	720
GGGTGTGGAA	GOCAGACCAG	CTTGTCCCTG	TTCTTTCAGA	CTCAGGTCAG	CTCCTAGCGG	CTATCACAGC	TCAGGATTAT	800
CAAGTCCCGT	AAAGTCCAGA	COCTTTTICAT	TGTATGATGC	TGCCATATIT	GCGCTATCTC	TATGCGGTAG	CAGCCGCTCT	880
GGCTACAACT	GGCTGCCATG	GCTGAAGCAT	CGTGAGATCT	ATAAAGGICT	COGAATCCTC	GGTGAAGTCA	GAATCGTCTC	960
TCCACACGAG	TCAACAACAA	GCTTCTTTCT	CTTACAGCTT	AGCCTGAGCA	CATTCACAGA	ACTCTTCCCT	TCTTTTCTGTC	1040
AATATGCTGT	TCAAGTCACT	GCAACTGGCA	GCAGCCTCOC	GGCTCCTGTC	TGGAGTCTC	GGCATCCCGA	TGGACACCGG	1120
CAGCCACCCC	ATTTGAGCTG	TTGATCCCGA	AGTGAAGACT	GAGGCTTTCG	CTGACTCCT	OCTTGTCTGA	GCAGGCGATG	1200
ACGACTGGGA	GTCACTTCCA	TACAACTTTC	TTTACAGGCT	AGACACTGT	CCCACTGT	TTCCCTGAT	AACTAACTCT	1280
TATAGGAATG	COCTGCCAAT	TCCACTGTG	AAGCAGCCCA	AGATGTATGT	CTTTGATTTT	CTACGAAGCA	ACTCGGCCCC	1360
GACTAATGTA	TTCTAGGATC	ATTACCAACC	CTGTACCCGG	CAAGGACATT	TGGTACTATG	AGATCGAGAT	CAAGCCATTT	1440
CAGCAAAGGG	TGAGTTTGCT	CAGAAACCTT	GTGGTAATTA	ATCATTTGTTA	CTGACCTTTT	CAGATTTTACC	CCACCTTGGG	1520
COCTGCCACT	CTCGTCCGCT	ACGATGGCAT	GAGCCCTGGT	OCTACTTTCA	ATGTTCCCGA	AGGAACAGAG	ACTGTAGTTA	1600
GGTTCATCAA	CAATGCCACC	GTGAGAACT	CGGTCCATCT	GCACGGCTOC	CCATCGCGTG	COCTTTTGA	TGGTGGGCT	1680
GAAGATGTGA	OCTTCCCTGG	CGAGTACAAG	GATTACTACT	TTCCCAACTA	CCAATCCGCC	CGCTTCTGT	GGTACCATGA	1760
CCACGCTTTC	ATGAAGGAT	GCTACGAGCC	TTTATCTTTC	TTGGCTACCT	TTGGCTAACC	AACTTCTTTT	CTGAGACTGC	1840
TGAGAATGCC	TACTTTGGTC	AGGCTGGCGC	CTACATTATC	AACGACGAGG	CTGAGGATGC	TCTCGTCTT	CCTAGTGGCT	1920
ATGGCGAGTT	CGATATCCCT	CTGATCCTGA	CGGCAAGTCA	CTATAACGCC	GATGGTACCC	TGCGTTCGAC	CGAGGGTGAG	2000
GACCAAGACC	TGTGGGGAGA	TGTATCCAT	GTCAACGGAC	AGCCATGGCC	TTTCTTTAAC	GTCCAGCCCC	GCAAGTACCG	2080
TTTCCGATTC	CTCAACGCTG	COGTGTCTCG	TGCTTGGCTC	CTCTACCTCG	TCAGGACCAG	CTCTCCCAAC	GTCAAGATTTC	2160
CTTTCCAAAGT	CATTGCTCT	GATGCTGGTC	TCCTTCAAGC	CCCCGTTTCA	ACCTCTAAC	TCTACCTTGC	TGTTGCCGAG	2240
CGTTACGAGA	TCATTATTGG	TATGCCCTCC	CCTCTCACGA	ATGAGTCAAG	AACTCTAAGA	CTAACACTTG	TAGACTTTCAC	2320
CAACTTTGCT	GGCCAGACTC	TTGACCTGGC	CAACGTTGCT	GAGACCAACG	ATGTCCGCGA	CGAGGATGAG	TACGCTCCGA	2400
CTCTCGAGGT	GATGCGCTTC	GTGTCAGCT	CTGGCACTGT	TGAGGACAAC	AGCCAGGTC	OCTCCACTCT	COGTGACGTT	2480
OCTTTCCCTC	CTCACAAGGA	AGGCCCCGCC	GACAAGCACT	TCAAGTTTGA	ACGCAGCAAC	GGACACTACC	TGATCAACGA	2560
TGTTGGCTTT	GCCGATGTCA	ATGAGCGTGT	CCTGGCCAAG	CCCGAGCTCG	GCACCGTTGA	GGTCTGGGAG	CTCGAGAACT	2640
CCTCTGGAGG	CTGGAGCCAC	CCCGTCCACA	TTCACTTTGT	TGACTTCAAG	ATCCTCAAGC	GAAGTGGTGG	TGTTGGCCAG	2720
GTCAATGCCCT	ACGAGTCTGC	TGGTCTTAA	GATGTGCTCT	GGTTGGGCG	GGGTGAGACC	CTGACCATCG	AGGCCCCACTA	2800
CCAACCCCTGG	ACTGGAGCTT	ACATGTGGCA	CTGTCAACAAC	CTCATTCACG	AGGATAACGA	CATGATGGCT	GTATTCAACG	2880
TCACCGCCAT	GGAGGAGAAG	GGATATCTTC	AGGAGGACTT	CGAGGACCCC	ATGAACCCCA	AGTGGCGCGC	CGTTCTTTAC	2960
AACCGCAACG	ACTTCCATGC	TGCGGCTGGA	AACTTCTCCG	CCGAGTCCAT	CACITGCCCGA	GTGACGGAGC	TGGCCGAGCA	3040
GGAGCCGTAC	AACCGCCTCG	ATGAGATCCT	GGAGGATCTT	GGAATCGAGG	AGTAAACCCC	GAGCCACAAG	CTCTACAATC	3120
GTITTTGAGTC	TTAAGACGAG	GCTCTTGGTG	CGTATTCTTT	TCTTCCCTAC	GGGGAACCTC	GCTGTCCACT	GCGATGTGAA	3200
GGACCATCAC	AAAGCAACGT	ATATATTGGA	CTCACCACITG	TCATTACCGC	CCACTTGTAC	CTATTGCAIT	CTTGTTCAAA	3280
CTTTTCTAGT	GCGAGAGTGT	CCATAGTCAA	GAAACGCCCA	TAGGGCTATC	GTCTAAACTG	AACTATTGTG	TGGTCTGTGA	3360
CGTGGAGTAG	ATGTCAATTG	TGATGAGACA	CAGTAAATAC	GGTATATCTT	TTCTTAGGAC	TACAGGATCA	GTITCTCATG	3440
AGATTACATC	CGTCTAATGT	TTGTCCATGA	GAGTCTAGCT	AAGGTTGAGA	ATGCATCAGA	CGGAATCAIT	TGATGCTCTC	3520
AGCTCGTATT	ACCGATGTAA	GACAAGTTAG	GTAAGTTGCT	TGGTATCCGA	AAATGACTCA	GGCTCCCTCA	TTAGGTTGCA	3600
TGTGAAAACC	TTCAGCAACT	CATGGGTGTT	GGGACCAAAT	CATCCATACC	TGATTTTGAT	AACTGACCTG	GGTCAAT	3677

Figure 8 6

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1MFKHILGAAALSLLFNSNAVQA.SVPETSAHLFKRV 39
1 MLFKSWQLAAASGLLSGLVIGIPMDTGSHPIEAVDPEVKTEVFADSLIAAA 50
40 AQISPOQYPMFTV....PLPIPVKQPRLTVINPANGQETIWWYEVEIKPFT 85
51 GDDWESPPYNLLYRNALPIPVKQPKMLITNPVTGKDIWYETEIKPFQ 100
86 HQVYPDLGSADLVGYDGMSPGPTFQVPRGVETVWRFINNAEAFNSVHLHG 135
101 QRIYPTLRPATLVGYDGMSPGPTFNVPRGTETVWRFINNATVENSVHLHG 150
136 SFSRAAFDGAEDITEFGSFKDYYPNRQSARTLWYHDHAMHTAENAYR 185
151 SPSRAPFDGAEDVITFPGEYKDYYFPNYQSARLLWYHDHAFMKTAEAYF 200
186 GQAGLYMLTDPADALNLP SGYGEFDIPMLITSKQYTANGNLVTINGELN 235
201 GQAGAYTINDEAEDALGLPSGYGEFDIPLILTAKYNNADGTLRSTEGEDQ 250
236 SFWGDIVHVNQQFWPFKNVEPRKYRFRFLDAAVSRSGLYFADTDAIDTR 285
251 DLWGDIVHVNQQFWPFLNVQPRKYRFRFLNAAVSRALLYLVRTSSPNVR 300
286 LPFKVIASDSGLLEHPADTSLLYISMAERYEVVDFSDYAGKTIELRNLG 335
301 IPFQVIASDAGLLQAPVQTSNLYLAVAERYETIIDFTINFAGQTLDLRNV. 349
336 GSIGGIGITDIDYINTDKVMRFVADDTTQPDTSVVPANLRDVPFSPPTIN 385
350 AETINDVGDEDEYARTLEV MRVVSSGIVE.DNSQVPSTLRDVPFPPHKEG 398
386 .TPRQFRFGRTGPTWTINGVAFADVQNRLLANVPVGIVERWELINAGNGW 434
399 PADKHFKFERSNGHYLINDVGFDVNERVLAKPELGIVEWELNSSGGW 448
435 THPIHIHLVDFKVISRTSGNNARTVMPYES.GLKDVWVWLGRRRETWVEAH 483
449 SHPVHIHLVDFKILKRTGGRG..QVMPYESAGLKDVWVWLGRETILTTEAH 496
484 YAPFFGVYMFHCHNLIHEDHIMMAAFNATVLPDYGYNATVFVDPMEELWQ 533
497 YQFWIGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR 546
534 ARPVELGEFQAQSGQFSVQAVTERIQTMAEYRPFYAAADE..... 572
547 AVPYNRNDFHARAGNFSAESITARVQELAEQEPYNRLDEILEDLGTEE 594

Figure 8 7

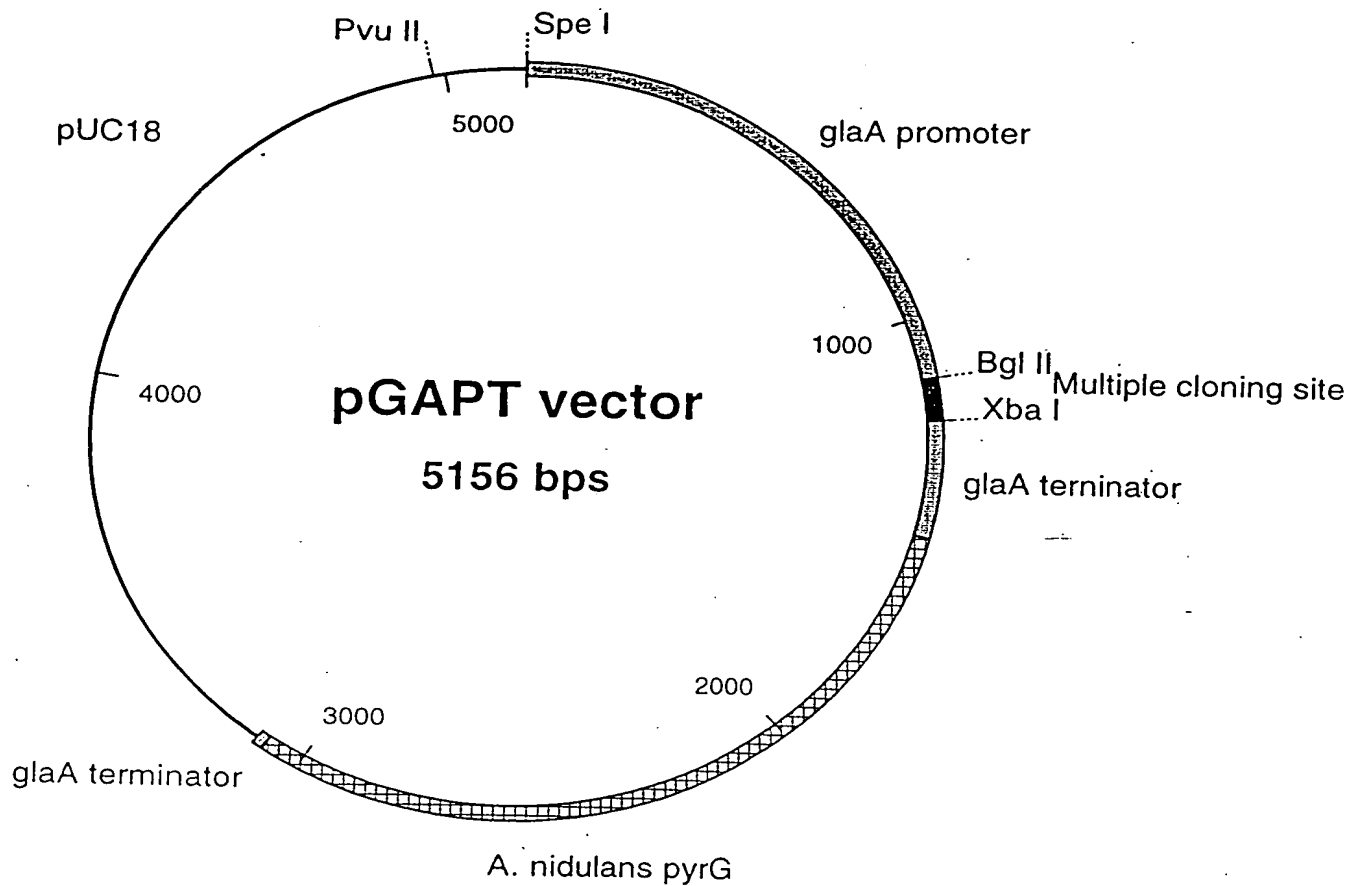


Figure 8

AGATCTAATA	TGCTGTTCAA	GTCATGGCAA	CTGGCAGCAG	CCTCCGGGCT	CCTGTCCTGA	60
GTCTTCGGCA	TCCCGATGGA	CACCGGCAGC	CACCCCATTTG	AGGCTGTTGA	TCCCGAAGTG	120
AAGACTGAGG	TCTTCGCTGA	CTCCCTCCTT	GCTGCAGCAG	GCGATGACGA	CTGGGAGTCA	180
CCTCCATACA	ACTTGCTTTA	CAGGTGAGAC	ACCTGTCCCA	CCTGTTTTTC	CTCGATAACT	240
AACTCTTATA	GGAATGCCCT	GCCAATTCCA	CCTGTCAAGC	AGCCCAAGAT	GTATGTCCTT	300
GATTTTTCTAC	GAAGCAACTC	GGCCCCGACT	AATGTATTCT	AGGATCATTA	CCAACCCCTGT	360
CACCGGCAAG	GACATTTGGT	ACTATGAGAT	CGAGATCAAG	CCATTTTCAGC	AAAGGGTGAG	420
TTTGCTCAGA	AACCTTGTTG	TAATTAATCA	TTGTTACTGA	CCCTTTTCAGA	TTTACCCAC	480
CTTGCGCCCT	GCCACTCTCG	TCGGCTACGA	TGGCATGAGC	CCTGGTCCCTA	CTTTCAATGT	540
TCCCAGAGGA	ACAGAGACTG	TAGTTAGGTT	CATCAACAAT	GCCACCGTGG	AGAACTCGGT	600
CCATCTGCAC	GGCTCCCCAT	CGCGTGCCCC	TTTCGATGGT	TGGGCTGAAG	ATGTGACCTT	660
CCCTGGCGAG	TACAAGGATT	ACTACTTTCC	CAACTACCAA	TCCGCCCGCC	TTCTGTGGTA	720
CCATGACCAC	GCTTTTCATGA	AGGTATGCTA	CGAGCCTTTA	TCTTTCTTGG	CTACCTTTGG	780
CTAACCAACT	TCCTTTTCGTA	GACTGCTGAG	AATGCCTACT	TTGGTCAGGC	TGGCGCCTAC	840
ATTATCAACG	ACGAGGCTGA	GGATGCTCTC	GGTCTTCCTA	GTGGCTATGG	CGAGTTTCGAT	900
ATCCCTCTGA	TCCTGACGGC	CAAGTACTAT	AACGCCGATG	GTACCCCTGCG	TTTCGACCGAG	960
GGTGAGGACC	AGGACCTGTG	GGGAGATGTC	ATCCATGTCA	ACGGACAGCC	ATGGCCTTTTC	1020
CTTAACGTCC	AGCCCCGCAA	GTACCGTTTC	CGATTCTCTA	ACGCTGCCGT	GTCTCGTGCT	1080
TGGCTCCTCT	ACCTCGTCAG	GACCAGCTCT	CCCAACGTCA	GAATTCCTTT	CCAAGTCATT	1140
GCCTCTGATG	CTGGTCTCCT	TCAAGCCCCC	GTTCAGACCT	CTAACCTCTA	CCTTGCTGTT	1200
GCCGAGCGTT	ACGAGATCAT	TATTGGTATG	CCCTCCCCCTC	TCACGAATGA	GTCAAGAACT	1260
CTAAGACTAA	CACCTTGTAGA	CTTCACCAAC	TTTGCTGGCC	AGACTCTTGA	CCTGCGCAAC	1320
GTGCTGAGA	CCAACGATGT	CGGCGACGAG	GATGAGTACG	CTCGCACTCT	CGAGGTGATG	1380
CGCTTCGTGG	TCAGCTCTGG	CACTGTTGAG	GACAACAGCC	AGGTCCCCCTC	CACCTCTCCGT	1440
GACGTTCCCTT	TCCCTCCTCA	CAAGGAAGGC	CCCCCGGACA	AGCACTTCAA	GTTTGAACGC	1500
AGCAACGGAC	ACTACCTGAT	CAACGATGTT	GGCTTTTGCCG	ATGTCAATGA	GCGTGTCCCTG	1560
GCCAAGCCCG	AGCTCGGCAC	CGTTGAGGTC	TGGGAGCTCG	AGAACTCCTC	TGGAGGCTGG	1620
AGCCACCCCG	TCCACATTCA	CCTTGTTGAC	TTCAAGATCC	TCAAGCGAAC	TGGTGGTTCGT	1680
GGCCAGGTCA	TGCCCTACGA	GTCTGCTGGT	CTTAAGGATG	TCGTCTGGTT	GGGCAGGGGT	1740
GAGACCCTGA	CCATCGAGGC	CCACTACCAA	CCCTGGACTG	GAGCTTACAT	GTGGCACTGT	1800
CACAACCTCA	TTACAGAGGA	TAACGACATG	ATGGCTGTAT	TCAACGTAC	CGCCATGGAG	1860
GAGAAGGGAT	ATCTTCAGGA	GGACTTCGAG	GACCCCATGA	ACCCCAAGTG	GCGCGCCGTT	1920
CCTTACAACC	GCAACGACTT	CCATGCTCGC	GCTGGAAACT	TCTCCGCCGA	GTCCATCACT	1980
GCCCGAGTGC	AGGAGCTGGC	CGAGCAGGAG	CCGTACAACC	GCCTCGATGA	GATCCTGGAG	2040
GATCTTGGA	TCGAGGAGTA	GTCTAGA				2067

Figure 8 9

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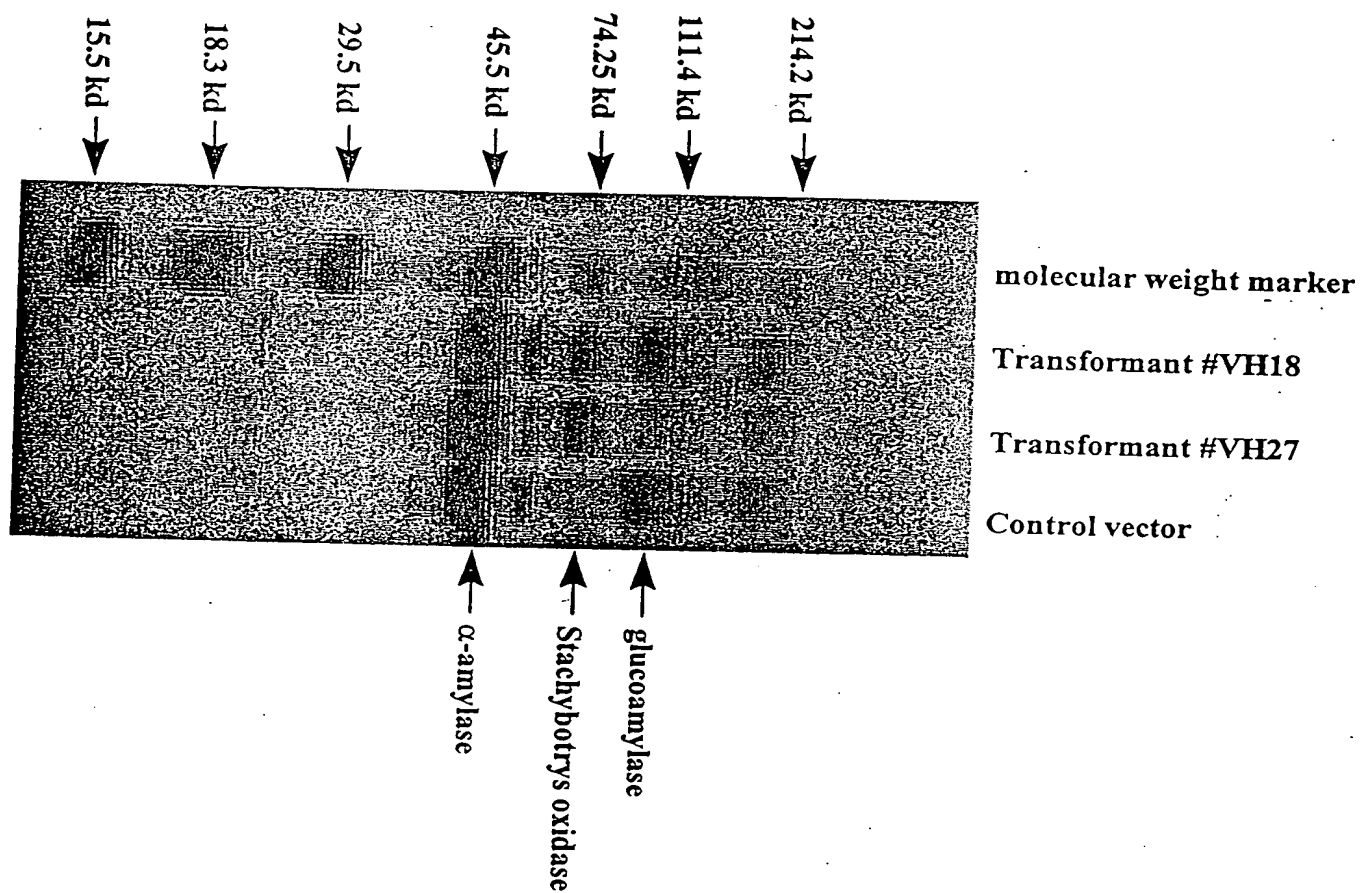


Figure 6 10